

Practitioner's Docket No. ODC2000-1-CIPA

Receipt
FILE COPY
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Michael J. Renn
Application No.: 10 / 060,960 Group No.: 2853
Filed: January 30, 2002 Examiner: UNKNOWN
For: DIRECT WRITE™ SYSTEM

RECEIVED
FEB 13 2004
TECHNOLOGY CENTER 2800

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR CORRECTED FILING RECEIPT

1. Attached is a copy of the official filing receipt received from the PTO in the above application for which issuance of a corrected filing receipt is respectfully requested.

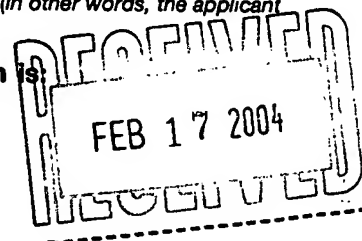
NOTE: The PTO will not correct the filing receipt until the application is complete (in other words, the applicant files a response to the notice to file missing parts).

2. There is an error with respect to the following data, which is:

☒ incorrectly entered

and/or

☒ omitted.



CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10*

(When using Express Mail, the Express Mail label number is mandatory;
Express Mail certification is optional.)

I hereby certify that, on the date shown below, this correspondence is being:

MAILING

- ☒ deposited with the United States Postal Service in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

37 C.F.R. § 1.8(a)

37 C.F.R. § 1.10 *

- ☒ with sufficient postage as first class mail.

☐ as "Express Mail Post Office to Addressee"

Mailing Label No. _____ (mandatory)

TRANSMISSION

- ☐ facsimile transmitted to the Patent and Trademark Office, (703) _____

Date: January 26, 2004

Signature _____

Jeffrey D. Myers

(type or print name of person certifying)the

* Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

- Error in**
1. ☐ Applicant's name
 2. ☐ Applicant's address
 3. ☐ Title
 4. ☐ Filing Date
 5. ☐ Application Number
 6. ☐ Foreign/PCT Application Re:
 7. ☒ Other

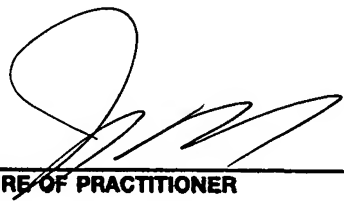
- Correct data**
- 1.
 - 2.
 - 3.
 - 4.
 - 5.
 - 6.
 7. Domestic Priority data:
This application is a continuation-in-part of 09/587,997 06/01/2000, which is a continuation-in-part of 09/408,621 09/30/1999, now abandoned, which claims priority of 60/102,418 09/30/1998

For the Office's reference, we enclose a copy of the Combined Declaration and Power of Attorney filed August 1, 2002, showing the domestic priority claims, as well as a copy of the Preliminary Amendment filed February 7, 2003, amending the specification to clarify the priority claims.

Reg. No.: 35,964

Tel. No.: (505) 998-1502

Customer No.: 005179



SIGNATURE OF PRACTITIONER

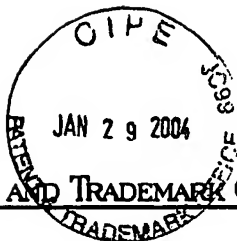
Jeffrey D. Myers
(type or print name of practitioner)
PEACOCK, MYERS & ADAMS, P.C.
P.O. Box 26927

P.O. Address

Albuquerque, New Mexico 87125-6927



UNITED STATES PATENT AND TRADEMARK OFFICE



COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO.	DRAWINGS	TOT CLAIMS	IND CLAIMS
10/060,960	01/30/2002	2853	435	ODC2000-1-CIPA	9	1	1

CONFIRMATION NO. 7947

05179
PEACOCK MYERS AND ADAMS P C
P O BOX 26927
ALBUQUERQUE, NM 871256927

UPDATED FILING RECEIPT



OC000000008709993

Date Mailed: 08/30/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Michael J. Renn, Albuquerque, NM;

Domestic Priority data as claimed by applicant

THIS APPLN CLAIMS BENEFIT OF 60/102,418 09/30/1998

Foreign Applications

PCT/US01/14841 05/30/2001

If Required, Foreign Filing License Granted 04/01/2002

Projected Publication Date: 12/12/2002

Non-Publication Request: No

Early Publication Request: No

** SMALL ENTITY **

Title

Direct write TM system

RECEIVED
FEB 13 2004
TECHNOLOGY CENTER 2800

RECEIVED

SEP 3 - 2002

Peacock, Myers & Adams, PC

Preliminary Class

347

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



Practitioner's Docket No. ODC2000-1CIPA

PATENT

COMBINED DECLARATION AND POWER OF ATTORNEY

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,
CONTINUATION, OR C-I-P)

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

This declaration is of the following type:

(check one applicable item below)

☐ original.

☐ design.

NOTE: With the exception of a supplemental oath or declaration submitted in a reissue, a supplemental oath or declaration is not treated as an amendment under 37 CFR 1.312 (Amendments after allowance), M.P.E.P. § 714.16, 7th Edition.

☐ supplemental.

NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.

☐ national stage of PCT.

NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR C-I-P.

NOTE: See 37 C.F.R. § 1.63(d) (continued prosecution application) for use of a prior nonprovisional application declaration in the continuation or divisional application being filed on behalf of the same or fewer of the inventors named in the prior application.

☐ divisional.

☐ continuation.

NOTE: Where an application discloses and claims subject matter not disclosed in the prior application, or a continuation or divisional application names an inventor not named in the prior application, a continuation-in-part application must be filed under 37 C.F.R. § 1.53(b) (application filing requirements — nonprovisional application).

☒ continuation-in-part (C-I-P).

INVENTORSHIP IDENTIFICATION

WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

DIRECT WRITE™ SYSTEM

RECEIVED
FEB 13 2004
TECHNOLOGY CENTER 2000

SPECIFICATION IDENTIFICATION

the specification of which:

(complete (a), (b), or (c))

(a) ☐ is attached hereto.

NOTE: "The following combinations of information supplied in an oath or declaration filed on the application filing date with a specification are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:

"(1) name of inventor(s), and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration on filing;

"(2) name of inventor(s), and attorney docket number which was on the specification as filed;
or

"(3) name of inventor(s), and title which was on the specification as filed."

Notice of July 13, 1995 (1177 O.G. 60).

(b) ☒ was filed on January 30, 2002, as ☒ Serial No. Ø10 060,960
or ☐ _____
and was amended on _____ (if applicable).

NOTE: Amendments filed after the original papers are deposited with the PTO that contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 C.F.R. § 1.67.

NOTE: "The following combinations of information supplied in an oath or declaration filed after the filing date are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:

"(A) application number (consisting of the series code and the serial number, e.g., 08/123,456);

"(B) serial number and filing date;

"(C) attorney docket number which was on the specification as filed;

"(D) title which was on the specification as filed and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration; or

"(E) title which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number, e.g., 08/123,456), or serial number and filing date. Absent any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the oath or declaration."

M.P.E.P. § 601.01(a), 7th Ed.

(c) ☐ was described and claimed in PCT International Application No. _____, filed on _____ and as amended under PCT Article 19 on _____ (if any).

SUPPLEMENTAL DECLARATION (37 C.F.R. § 1.67(b))

(complete the following where a supplemental declaration is being submitted)

- ☐ I hereby declare that the subject matter of the
- ☐ attached amendment
 - ☐ amendment filed on _____

was part of my/our invention and was invented before the filing date of the original application, above-identified, for such invention.

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56,

(also check the following items, if desired)

- ☒ and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
- ☐ in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 C.F.R. § 1.98.

PRIORITY CLAIM (35 U.S.C. §§ 119(a)-(d))

NOTE: "The claim to priority need be in no special form and may be made by the attorney or agent if the foreign application is referred to in the oath or declaration as required by § 1.63. The claim for priority and the certified copy of the foreign application specified in 35 U.S.C. 119(b) must be filed in the case of an interference (§ 1.630), when necessary to overcome the date of a reference relied upon by the examiner, when specifically required by the examiner, and in all other situations, before the patent is granted. If the claim for priority or the certified copy of the foreign application is filed after the date the issue fee is paid, it must be accompanied by a petition requesting entry and by the fee set forth in § 1.17(i). If the certified copy is not in the English language, a translation need not be filed except in the case of interference; or when necessary to overcome the date of a reference relied upon by the examiner; or when specifically required by the examiner, in which event an English language translation must be filed together with a statement that the translation of the certified copy is accurate." 37 C.F.R. § 1.55(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §§ 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

- (d) ☐ no such applications have been filed.
- (e) ☒ such applications have been filed as follows.

NOTE: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

**PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION
AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)**

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
PCT	PCT/US01/14841	30 May 2001	<input checked="" type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)
(34 U.S.C. § 119(e))

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER

FILING DATE

_____/_____
_____/_____
_____/_____

**CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S)
UNDER 35 U.S.C. § 120**

- ☒ The claim for the benefit of any such applications are set forth in the attached ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN-PART (C-I-P) APPLICATION.

**ALL FOREIGN APPLICATION(S), IF ANY, FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

NOTE: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR C-I-P APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. § 120.

POWER OF ATTORNEY

I hereby appoint the following practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

(list name and registration number)

JEFFREY D. MYERS, Reg. No. 35,964

(check the following item, if applicable)

- ☒ I hereby appoint the practitioner(s) associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.
- ☐ Attached, as part of this declaration and power of attorney, is the authorization of the above-named practitioner(s) to accept and follow instructions from my representative(s).

NOTE: "Special care should be taken in continuation or divisional applications to ensure that any change of correspondence address in a prior application is reflected in the continuation or divisional application. For example, where a copy of the oath or declaration from the prior application is submitted for a continuation or divisional application filed under 37 CFR 1.53(b) and the copy of the oath or declaration from the prior application designates an old correspondence address, the Office may not recognize, in the continuation or divisional application, the change of correspondence address made during the prosecution of the prior application. Applicant is required to identify the change of correspondence address in the continuation or divisional application to ensure that communications from the Office are mailed to the current correspondence address. 37 CFR 1.63(d)(4)." § 601.03, M.P.E.P., 7th Edition.

SEND CORRESPONDENCE TO
Jeffrey D. Myers

☐ Address

DIRECT TELEPHONE CALLS TO:
(Name and telephone number)

Jeffrey D. Myers - (505)998-1502-Direct
(505)998-1500-Main



05179

PATENT TRADEMARK OFFICE

☒ Customer Number

(complete the following if applicable)

Since this filing is a ☐ continuation ☐ divisional there is attached hereto a Change of Correspondence Address so that there will be no question as to where the PTO should direct all correspondence.

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

NOTE: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other documents.

NOTE: Each inventor must be identified by full name, including the family name, and at least one given name without abbreviation together with any other given name or initial, and by his/her residence, post office address and country of citizenship. 37 CFR § 1.63(a)(3).

NOTE: Inventors may execute separate declarations/oaths provided each declaration/oath sets forth all the inventors. Section 1.63(a)(3) requires that a declaration/oath, *inter alia*, identify each inventor and prohibits the execution of separate declarations/oaths which each sets forth only the name of the executing inventor. 62 Fed. Reg. 53,131, 53,142, October 10, 1997.

Full name of sole or first inventor

MICHAEL	J.	RENN
(GIVEN NAME)	(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)

Inventor's signature Michael J. Renn

Date 7/30/02 Country of Citizenship USA

Residence Albuquerque, New Mexico

Post Office Address 9634 Macallan Road, N.E.
Albuquerque, New Mexico 87109

Full name of second joint inventor, if any

_____	_____	_____
(GIVEN NAME)	(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)

Inventor's signature _____

Date _____ Country of Citizenship _____

Residence _____

Post Office Address _____

Full name of third joint inventor, if any

_____	_____	_____
(GIVEN NAME)	(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)

Inventor's signature _____

Date _____ Country of Citizenship _____

Residence _____

Post Office Address _____

(check proper box(es) for any of the following added page(s)
that form a part of this declaration)

☐ **Signature** for fourth and subsequent joint inventors. Number of pages added _____

* * *

☐ **Signature** by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added _____

* * *

☐ **Signature** for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added _____

* * *

☐ Added page for **signature** by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47)

* * *

☒ Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.

☒ Number of pages added three (3)

* * *

☐ Authorization of practitioner(s) to accept and follow instructions from representative.

* * *

(if no further pages form a part of this Declaration,
then end this Declaration with this page and check the following item)

☐ This declaration ends with this page.

Practitioner's Docket No. ODC2000-1CIPA

**ADDED PAGE TO COMBINED DECLARATION
AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION
OR C-I-P APPLICATION**

(complete this part only if this is a divisional, continuation or C-I-P application)

**CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)
UNDER 35 U.S.C. 120**

I hereby claim the benefit, under Title 35, United States Code, § 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information

☒ that is material to patentability as defined in 37, Code of Federal Regulations, § 1.56

(also check the following item, if desired)

☒ and that is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent, that occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application. (37 C.F.R. § 1.63(e)).

(also check the following item, if desired)

☐ In compliance with this duty, there is attached an information disclosure statement, in accordance with 37 C.F.R. 1.98.

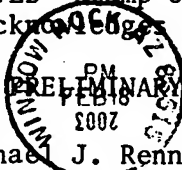
PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC 120:				
U.S. APPLICATIONS		Status (check one)		
U.S. APPLICATIONS	U.S. FILING DATE	Patented	Pending	Abandoned
1.0 9/ 587,997	June 1, 2000		X	
2.0 9/ 408,621	September 30, 1999			X
3.0 /				
PCT APPLICATIONS DESIGNATING THE U.S.				
PCT APPLI- CATION NO.	PCT FILING DATE	U.S. APPLICATION NOS. ASSIGNED (if any)		
4. _____		0 / _____		
5. _____		0 / _____		
6. _____		0 / _____		

**35 USC 119 PRIORITY CLAIM, IF ANY,
FOR ABOVE LISTED U.S./PCT APPLICATIONS**

ABOVE APPLICATION NO.	DETAILS OF FOREIGN APPLICATION FROM WHICH PRIORITY CLAIMED UNDER 35 USC 119		
	Co untry and Application No.	Date of filing (day, month, year)	Date of issue (day, month, year)
1.			
2.			
3.			
4.			
5.			
6.			



The "RECEIVED" stamp of the U.S. Patent and Trademark Office hereon acknowledges receipt of the following paper.



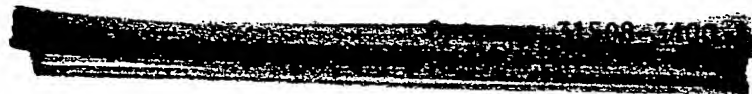
PRELIMINARY AMENDMENT



Applicant: Michael J. Renn
Serial No. 10/060,960
Filing Date: January 30, 2002
For: DIRECT WRITE SYSTEM

CONTENTS: Preliminary Amendment under First Class Mail Certificate; post card

ATTORNEY: Jeffrey D. Myers, Reg. No. 35,964
DATE: February 7, 2003





PATENT APPLICATION

Hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on February 7, 2003.


Jeffrey D. Myers, Reg. No. 35,964

February 7, 2003
(Date)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Michael J. Renn

Examiner: UNKNOWN

Serial No. 10/060,960

Group Art Unit: 2853

Filed: January 30, 2002

For: DIRECT WRITE™ SYSTEM

PRELIMINARY AMENDMENT

Commissioner for Patents
Box Non-Fee Amendment
Washington, D.C. 20231

Sir:

Prior to examination, please amend the above-identified application as follows:

In the specification:

Please insert the following at the end of page 2:

--CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a continuation-in-part application of U.S. Patent Application Serial Nos. 09/408,621 and 09/584,997, the earlier of which claimed priority to U.S. Provisional Patent Application Serial No. 60/102,418, and the specifications thereof are incorporated herein by reference.--

In the claims:

Please add new claims as follows:

- 2. The apparatus of claim 1 additionally comprising means for sorting said plurality of discrete particles by size from smaller particles.
3. The apparatus of claim 2 wherein said sorting and collimation means comprise one or more virtual impactors.
4. The apparatus of claim 3 wherein said one or more virtual impactors carry said plurality of discrete particles after sorting.
5. The apparatus of claim 3 wherein two or more virtual impactors are placed in series.
6. The apparatus of claim 5 wherein one or more virtual impactors comprise nozzles leading to a virtual impactor later in series.
7. The apparatus of claim 1 wherein said force application means comprises a carrier gas.
8. The apparatus of claim 7 wherein said force application means additionally comprises a laser.

9. A method of direct writing of a material, the method comprising the steps of:
- supplying the material to be deposited;
 - atomizing the material to produce a plurality of discrete particles;
 - applying a force to propel the plurality of discrete particles generally toward a substrate;
 - collimating the plurality of discrete particles to control the direction of flight of the plurality of discrete particles; and
 - depositing the plurality of discrete particles on the substrate.
10. The method of claim 9 additionally comprising the step of sorting the plurality of discrete particles by size from smaller particles.
11. The method of claim 10 wherein the sorting and collimating steps comprise employing one or more virtual impactors.
12. The method of claim 11 wherein the one or more virtual impactors carry the plurality of particles after sorting.
13. The method of claim 11 wherein two or more virtual impactors are placed in series.
14. The method of claim 13 wherein one or more virtual impactors comprise nozzles leading to a virtual impactor later in series.
15. The method of claim 9 wherein the applying step comprises employing a carrier gas.

16. The method of claim 15 wherein the applying step additionally comprises employing a laser.--

REMARKS

The Examiner's attention to the present application is noted with appreciation.

This preliminary amendment is offered to correct priority data and to offer additional claims to the invention. The application filing papers mentioned only the priority claim to the provisional patent application filed September 30, 1998, and not to the intervening utility patent applications.

Attached hereto is a marked-up version of the changes made to the specification and/or claims by the current amendment. The attached paper is captioned "Version with Markings to Show Changes Made."

Consideration and allowance are respectfully requested.

Respectfully submitted,

PEACOCK, MYERS & ADAMS, P.C.

By: 

Jeffrey D. Myers
Reg. No. 35,964
Direct Dial: (505) 998-1502

Attorney for Applicant
P.O. Box 26927
Albuquerque, New Mexico 87125-6927
Phone: (505) 998-1500
Fax: (505) 243-2542

Date: 2/7, 2003

Customer No. 005179

G:\AMDS\Optomec\960_PRE_AMD.doc

Version with Markings to Show Changes Made

In the Specification:

Please insert the following at the end of page 2:

--CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a continuation-in-part application of U.S. Patent Application Serial Nos. 09/408,621 and 09/584,997, the earlier of which claimed priority to U.S. Provisional Patent Application Serial No. 60/102,418, and the specifications thereof are incorporated herein by reference.--

In the Claims:

Please add new claims as follows:

- 2. The apparatus of claim 1 additionally comprising means for sorting said plurality of discrete particles by size from smaller particles.
3. The apparatus of claim 2 wherein said sorting and collimation means comprise one or more virtual impactors.
4. The apparatus of claim 3 wherein said one or more virtual impactors carry said plurality of discrete particles after sorting.
5. The apparatus of claim 3 wherein two or more virtual impactors are placed in series.

6. The apparatus of claim 5 wherein one or more virtual impactors comprise nozzles leading to a virtual impactor later in series.
7. The apparatus of claim 1 wherein said force application means comprises a carrier gas.
8. The apparatus of claim 7 wherein said force application means additionally comprises a laser.
9. A method of direct writing of a material, the method comprising the steps of:
 - supplying the material to be deposited;
 - atomizing the material to produce a plurality of discrete particles;
 - applying a force to propel the plurality of discrete particles generally toward a substrate;
 - collimating the plurality of discrete particles to control the direction of flight of the plurality of discrete particles; and
 - depositing the plurality of discrete particles on the substrate.
10. The method of claim 9 additionally comprising the step of sorting the plurality of discrete particles by size from smaller particles.
11. The method of claim 10 wherein the sorting and collimating steps comprise employing one or more virtual impactors.
12. The method of claim 11 wherein the one or more virtual impactors carry the plurality of

particles after sorting.

13. The method of claim 11 wherein two or more virtual impactors are placed in series.
14. The method of claim 13 wherein one or more virtual impactors comprise nozzles leading to a virtual impactor later in series.
15. The method of claim 9 wherein the applying step comprises employing a carrier gas.
16. The method of claim 15 wherein the applying step additionally comprises employing a laser.--